

GENUS *Callopistromyia* HENDEL (DIPTERA: OTITIDAE) ¹

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ABSTRACT: *Pterocalla strigula* Loew, until now considered as the only North American species of an otherwise wholly neotropical genus, is transferred to *Callopistromyia* Hendel, a hitherto monotypic genus based upon *Platystoma annulipes* Macquart. The 2 species *Callopistromyia annulipes* (Macquart) and *C. strigula* (Loew), new comb., are compared. *Pseudotephritis* Malloch, previously a subgenus of *Pseudotephritis* Johnson, is raised to generic rank.

DESCRIPTORS: Otitidae; Diptera; *Callopistromyia*, *Pterocalla*, *Pseudotephritis*, *Pseudotephritina*.

In revising my key to the genera of Otitidae (Steyskal, 1961) for the manual of North American Diptera now in preparation, I tried to improve the section referring to the genera *Callopistromyia*, *Diacrita*, *Pseudotephritis*, and *Pterocalla*. *Diacrita* differs considerably from the other 3 genera, which are quite similar. It became apparent that *Pterocalla strigula* Loew was poorly placed generically, inasmuch as it has an entirely straight vein r_{2+3} and lacks the eye-spots on the wing and the expanded pterostigma characteristic of *Pterocalla*. The species is in fact extremely similar to *Callopistromyia annulipes* (Macquart) and is found in the same habitat and geographic area. True *Pterocalla* species are not known outside the neotropical region.

The only differences I can discern between *Callopistromyia annulipes* and *Pterocalla strigula* lie in the shape, pattern, and some features of the venation of the wing. I am therefore transferring *Pterocalla strigula* to the genus *Callopistromyia* Hendel, a genus including only *Platystoma annulipes* Macquart. *Callopistromyia* in this expanded sense is very close to *Pseudotephritis* Johnson, less the subgenus *Pseudotephritina* Malloch, which deserves elevation to generic rank as indicated in the key below. The

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group of genera including *Pseudotephritis*, *Pseudotephritina*, and *Callopistromyia* has the following characters in common: extension of anal cell as long as or shorter than free part of anal vein; dorsocentral bristles 2, sometimes preceded by 1 or 2 much finer setae, all of which are postsutural; tibiae usually distinctly banded. The 3 genera may be distinguished as follows.

Key to Genera of *Pseudotephritis* Group

- 1 (2) Scutellum laterally with pair of extensive shining black areas; tibiae with at most lightly infuscated subbasal and apical sections, not distinctly banded; small stump vein projecting from vein m_{1+2} into discal cell new status *Pseudotephritina* Malloch,
- 2 (1) Scutellum wholly tomentose, gray and brown; tibiae contrastingly banded; stump vein lacking.
- 3 (4) Anterior apical angle of discal cell close to 90° ; discal cell with extensive areas of solid color; extension of anal cell half or less than half as long as free part of anal vein *Pseudotephritis* Johnson
- 4 (3) Anterior apical angle of discal cell about 60° ; discal cell largely dark brown, mottled; extension of anal cell half as long or as long as free part of anal cell *Callopistromyia* Hendel

The 2 species of *Callopistromyia* are distinguished as follows:

Key to Species of *Callopistromyia* Hendel

- 1 (2) Wing ovate, not over 2.25 times as long as wide; vein r_1 ending well apicad of anterior crossvein; discal cell largely dark brown, mottled with vermiculate subhyaline pattern *C. annulipes* (Macquart)
- 2 (1) Wing with costal and hind margins subparallel, about 3 times as long as wide; vein r_1 ending about at level of anterior crossvein; discal cell dark brown, mottled with slightly paler brown *C. strigula* (Loew), new comb.

Bibliographic references to all taxa will be found in Steyskal (1965).

LITERATURE CITED

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